



SLOVENSKI STANDARD
SIST EN 61811-1:2001
01-september-2001

**Electromechanical non-specified time all-or-nothing relays of assessed quality -
Part 1: Generic specification**

Electromechanical non-specified time all-or-nothing relays of assessed quality -- Part 1:
Generic specification

Elektromechanische Schaltrelais ohne festgelegtes Zeitverhalten mit bewerteter Qualität
-- Teil 1: Fachgrundspezifikation

Relais électromécaniques de tout-ou-rien à temps non spécifié de qualité assurée --
Partie 1: Spécification générique

PREVIEW
(standards.iteh.ai)
SIST EN 61811-1:2001
[https://standards.iteh.ai/catalog/standards/sist/d541599-dda6-4731-97d6-
d611b3993b4a/sist-en-61811-1-2001](https://standards.iteh.ai/catalog/standards/sist/d541599-dda6-4731-97d6-d611b3993b4a/sist-en-61811-1-2001)

Ta slovenski standard je istoveten z: EN 61811-1:1999

ICS:

29.120.70 Releji Relays

SIST EN 61811-1:2001 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61811-1:2001

<https://standards.iteh.ai/catalog/standards/sist/d541599-dda6-4731-97d6-d611b3993b4a/sist-en-61811-1-2001>

EUROPEAN STANDARD

EN 61811-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 1999

ICS 29.120.70

Supersedes EN 116000-1:1996

English version

**Electromechanical non-specified time all-or-nothing relays
of assessed quality
Part 1: Generic specification
(IEC 61811-1:1999)**

Relais électromécaniques de tout-ou-rien
à temps non spécifié de qualité assurée
Partie 1: Spécification générique
(CEI 61811-1:1999)

Elektromechanische Schaltrelais ohne
festgelegtes Zeitverhalten mit
bewerteter Qualität
Teil 1: Fachgrundspezifikation
(IEC 61811-1:1999)

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

SIST EN 61811-1:2001

<https://standards.iteh.ai/catalog/standards/sist/d541599-dda6-4731-97d6-d611b3993b4a/sist-en-61811-1-2001>

This European Standard was approved by CENELEC on 1999-05-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 94/95/FDIS, future edition 1 of IEC 61811-1, prepared by IEC TC 94, All-or-nothing electrical relays, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61811-1 on 1999-05-01.

This European Standard supersedes EN 116000-1:1996.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2000-02-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2002-05-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annexes A and ZA are normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61811-1:1999 was approved by CENELEC as a European Standard without any modification.

SIST EN 61811-1:2001

<https://standards.iteh.ai/catalog/standards/sist/d541599-dda6-4731-97d6-d611b3993b4a/sist-en-61811-1-2001>

Annex ZA (normative)

Normative references to international publications
with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC QC 001002	1986	Rules of procedure of the IEC Quality Assessment System for Electronic Components (IECQ)	-	-
IEC 60027-1	1992	Letter symbols to be used in electrical technology Part 1: General (Reprinted 1995)	-	-
IEC 60050	series	International Electrotechnical Vocabulary (IEV)	-	-
IEC 60255-23	1994	Electrical relays Part 23: Contact performance	EN 60255-23	1996
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 60617	series	Graphical symbols for diagrams	EN 60617	series
IEC 61810-1	1998	Electromechanical non-specified time all-or-nothing relays Part 1: General requirements	EN 61810-1	1998
IEC 61810-7	1997	Part 7: Test and measurement procedures	-	-
ISO 1000	1992	SI units and recommendations for the use of their multiples and of certain other units	-	-

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61811-1:2001

<https://standards.iteh.ai/catalog/standards/sist/d541599-dda6-4731-97d6-d611b3993b4a/sist-en-61811-1-2001>

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

61811-1

QC 160000

Première édition
First edition
1999-03

**Relais électromécaniques de tout-ou-rien
à temps non spécifié de qualité assurée –**

**Partie 1:
Spécification générique**

iTeh STANDARD PREVIEW

**Electromechanical non-specified time
all-or-nothing relays of assessed quality –**

<https://standards.iteh.ai/catalog/standards/sist/d541599-dda6-4731-97d6-11b3993b4a/sist-en-61811-1-2001>

**Part 1:
Generic specification**

© IEC 1999 Droits de reproduction réservés — Copyright - all rights reserved

Aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photo-copie et les microfilms, sans l'accord écrit de l'éditeur.

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Electrotechnical Commission
Telefax: +41 22 919 0300

e-mail: inmail@iec.ch

3, rue de Varembé Geneva, Switzerland
IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

L

Pour prix, voir catalogue en vigueur
For price, see current catalogue

CONTENTS

	Page
FOREWORD	5
Clause	
1 General.....	9
1.1 Scope	9
1.2 Normative references	9
1.3 Units, symbols and terminology	11
1.4 Preferred values.....	11
1.5 Marking.....	11
1.6 Order of precedence	11
2 Quality assessment procedures.....	13
2.1 General.....	13
2.1.1 Primary stage of manufacture.....	13
2.1.2 Structurally similar relays.....	13
2.1.3 Subcontracting	13
2.2 Qualification approval procedures	13
2.3 Quality conformance inspection requirements.....	15
2.3.1 Grouping of tests.....	15
2.3.2 Resubmission of rejected lots.....	17
2.3.3 Delivery of relays subjected to destructive tests or non-destructive tests	17
2.3.4 Delayed delivery.....	17
2.3.5 Supplementary procedure for deliveries.....	19
2.3.6 Unchecked parameters.....	19
2.3.7 Release for delivery before completion of group B tests	19
2.3.8 Screening procedures	19
3 Test and measurement procedures	19
Annex A (normative) Definition of subgroups	21

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTROMECHANICAL NON-SPECIFIED TIME
ALL-OR-NOTHING RELAYS OF ASSESSED QUALITY –****Part 1: Generic specification**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61811-1 has been prepared by IEC technical committee 94: All-or-nothing electrical relays.

IEC 61811-1 cancels and replaces IEC 60255-10, published in 1979.

The text of this standard is based on the following documents:

FDIS	Report on voting
94/95/FDIS	94/97/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

For application within the IECQ quality assessment system, this specification has to be used in conjunction with IEC 61810-7.

The technical requirements for non-specified time all-or-nothing relays are given in IEC 61810-1.

Annex A forms an integral part of this standard.